

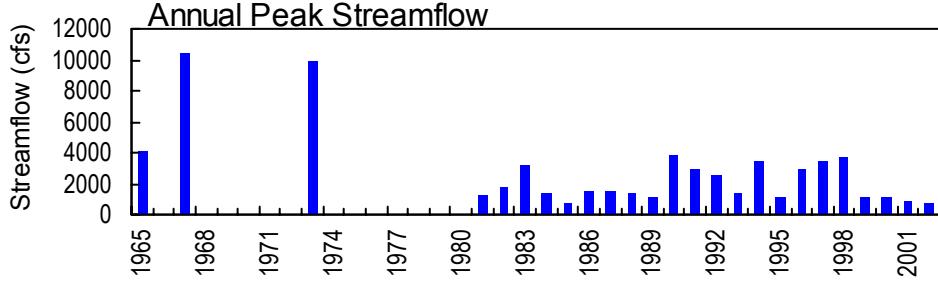
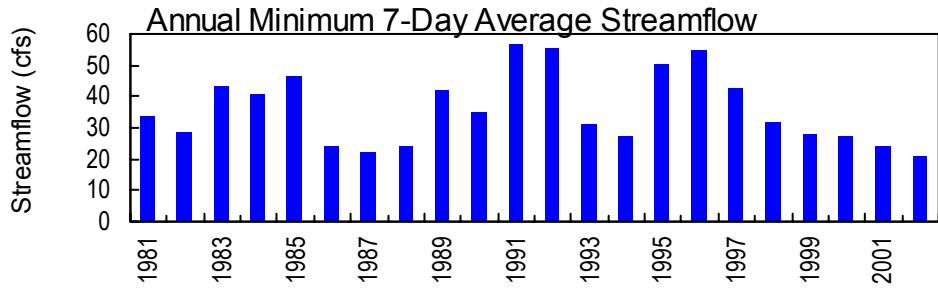
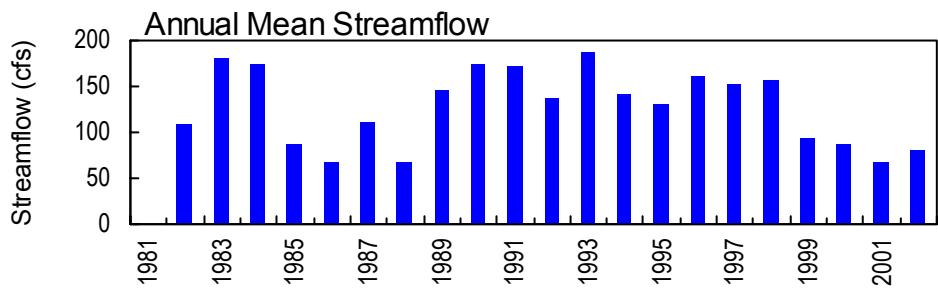
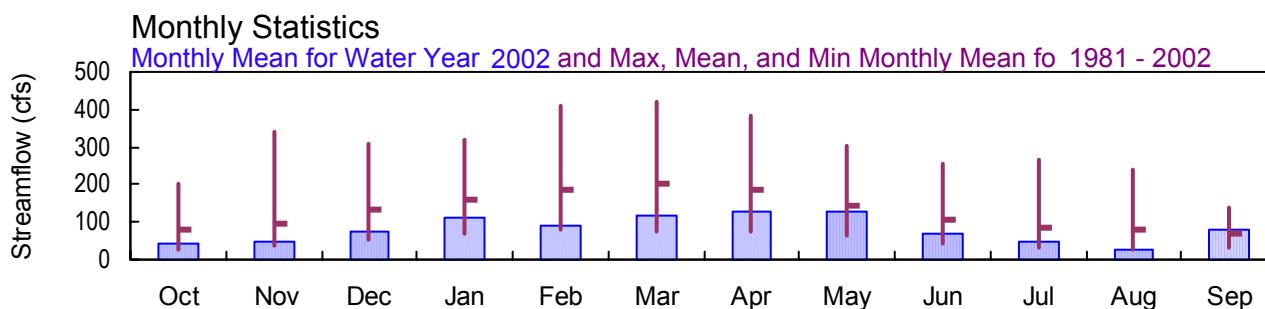
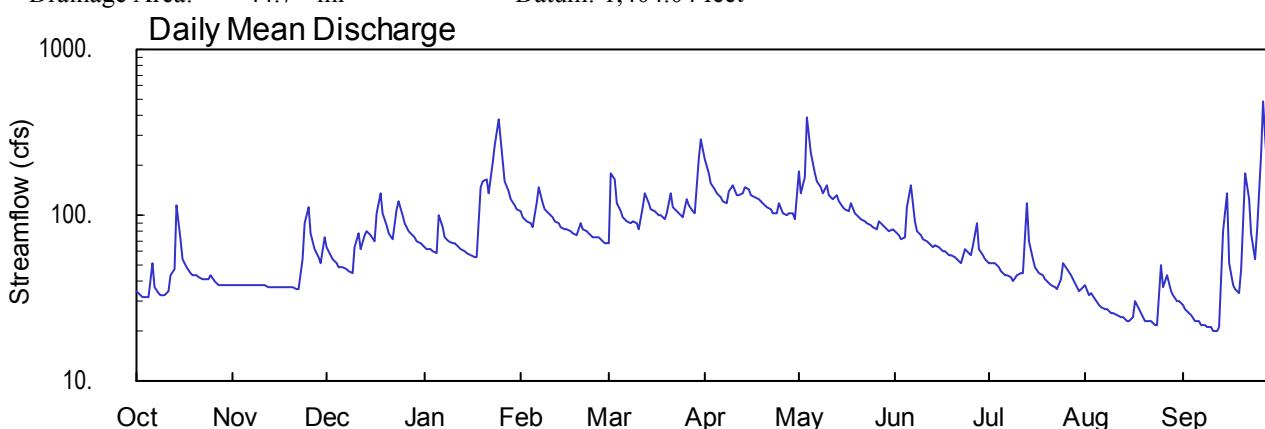
APALACHICOLA RIVER BASIN
2002 Water Year
02330450 CHATTAHOOCHEE RIVER AT HELEN, GA

Latitude: $34^{\circ} 42' 03''$ Longitude: $83^{\circ} 43' 44''$ Hydrologic Unit Code: 03130001

White County

Drainage Area: 44.7 mi²

Datum: 1,404.04 feet



APALACHICOLA RIVER BASIN
2002 Water Year

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA

LOCATION.—Lat $34^{\circ}42'03''$, long $83^{\circ}43'44''$ referenced to North American Datum (NAD) of 1983, White County, Hydrologic Unit 03130001, on downstream side of bridge on GA 17 and 75 at Helen, and 1.1 miles downstream from Smith Creek.

DRAINAGE AREA.— 44.7 mi^2 .

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1981 to current year. Miscellaneous low-flow measurements, water years 1953, 1955.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 1,404.04 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Some regulation occurs at low-flow on Smith Creek by Unicoi Lake at Unicoi State Park.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of August 23, 1967, reached a discharge of $11,000 \text{ ft}^3/\text{s}$ from contracted-opening computation at highway bridge 2 miles downstream at a drainage area of 48.2 mi^2 .

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of $1,200 \text{ ft}^3/\text{s}$, and maximum (*):

DATE	TIME	DISCHARGE (ft^3/s)	GAGE HEIGHT (ft)
Sep. 27	0845	838*	2.68*

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1981 to current year.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 1,404.04 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 2.68 feet, September 27; minimum gage-height recorded, 0.15 feet, September 12, 13.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02330450 CHATTAHOOCHEE RIVER AT HELEN, GA SOURCE AGENCY USGS STATE 13 COUNTY 311
 LATITUDE 344203 LONGITUDE 0834344 NAD83 DRAINAGE AREA 44.70 CONTRIBUTING DRAINAGE AREA 44.70* DATUM 1404.04 NGVD29
 Date Processed: 2003-03-11 09:55 By acday
 APPROVED
 DD #2, DCP

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.28	0.31	0.52	0.52	0.82	0.59	1.30	1.14	0.68	0.48	0.36	0.27
2	0.26	0.31	0.48	0.51	0.76	1.06	1.15	0.97	0.64	0.47	0.31	0.24
3	0.25	0.31	0.44	0.51	0.75	1.09	1.07	1.11	0.62	0.47	0.32	0.23
4	0.24	0.31	0.42	0.49	0.73	0.88	1.00	1.74	0.63	0.45	0.29	0.22
5	0.25	0.31	0.40	0.48	0.69	0.81	0.96	1.36	0.84	0.43	0.27	0.20
6	0.42	0.31	0.40	0.72	0.87	0.78	0.92	1.16	1.02	0.41	0.26	0.19
7	0.30	0.31	0.39	0.65	1.02	0.75	0.90	1.07	0.74	0.40	0.25	0.18
8	0.27	0.31	0.38	0.58	0.88	0.73	0.89	1.01	0.67	0.39	0.24	0.18
9	0.26	0.31	0.37	0.55	0.83	0.75	0.99	0.97	0.64	0.38	0.23	0.17
10	0.26	0.31	0.50	0.54	0.81	0.72	1.03	1.03	0.62	0.40	0.23	0.17
11	0.28	0.31	0.60	0.54	0.77	0.69	0.95	0.94	0.60	0.42	0.22	0.16
12	0.36	0.30	0.50	0.51	0.75	0.84	0.95	0.92	0.58	0.42	0.21	0.15
13	0.38	0.30	0.59	0.50	0.73	0.97	0.97	0.95	0.58	0.80	0.20	0.16
14	0.79	0.30	0.61	0.49	0.70	0.88	1.01	0.89	0.58	0.61	0.20	0.62
15	0.57	0.30	0.59	0.48	0.69	0.83	1.00	0.85	0.57	0.49	0.20	0.96
16	0.45	0.30	0.55	0.47	0.69	0.82	0.96	0.83	0.55	0.45	0.21	0.48
17	0.40	0.30	0.71	0.46	0.68	0.80	0.93	0.83	0.54	0.42	0.27	0.35
18	0.37	0.30	0.91	0.46	0.65	0.78	0.91	0.88	0.52	0.40	0.24	0.34
19	0.36	0.30	0.75	0.90	0.64	0.76	0.89	0.80	0.51	0.38	0.23	0.32
20	0.35	0.30	0.66	1.02	0.73	0.81	0.87	0.78	0.50	0.37	0.20	0.42
21	0.34	0.29	0.61	1.03	0.69	0.96	0.85	0.76	0.49	0.36	0.19	1.10
22	0.33	0.29	0.57	0.92	0.66	0.85	0.83	0.74	0.48	0.35	0.19	0.92
23	0.33	0.41	0.76	1.21	0.65	0.82	0.81	0.73	0.55	0.34	0.18	0.66
24	0.33	0.67	0.85	1.38	0.64	0.79	0.80	0.72	0.54	0.38	0.18	0.50
25	0.36	0.80	0.73	1.73	0.63	0.78	0.88	0.70	0.52	0.46	0.43	0.65
26	0.32	0.60	0.68	1.27	0.63	0.91	0.80	0.69	0.57	0.43	0.34	1.34
27	0.31	0.51	0.63	1.08	0.61	0.86	0.80	0.74	0.71	0.40	0.40	1.96
28	0.31	0.46	0.61	0.98	0.59	0.82	0.80	0.72	0.55	0.39	0.33	1.14
29	0.31	0.42	0.58	0.92	---	0.80	0.80	0.68	0.52	0.35	0.31	0.83
30	0.31	0.57	0.55	0.86	---	1.26	0.76	0.67	0.50	0.33	0.28	0.69
31	0.31	---	0.54	0.83	---	1.52	---	0.69	---	0.35	0.28	---
MEAN	0.34	0.37	0.58	0.76	0.72	0.86	0.93	0.91	0.60	0.43	0.26	0.53
MAX	0.79	0.80	0.91	1.73	1.02	1.52	1.30	1.74	1.02	0.80	0.43	1.96
MIN	0.24	0.29	0.37	0.46	0.59	0.59	0.76	0.67	0.48	0.33	0.18	0.15